

Objective 1.01 b/c Operate : Factor Polynomials

add or subtract!

$$(6s + 5t) + (4t + 8s)$$

$$(11m - 7n) - (2m + 6n)$$

$$(7x^2 + x + 1) - (3x^2 - 4x - 3)$$

$$(5x^2 - x - 7) + (2x^2 + 3x + 4)$$

$$(15c + 8d) - 13d$$

$$(5x + 3z) + 9x$$

multiply!

$$(3x + 9)^2$$

$$(4x - 2)(4x + 2)$$

$$(2x - 1)(x + 8)$$

$$(7x + 2)(5x + 1)$$

$$(2x^2 + 7x - 11)(3x - 5)$$

$$(4x + 5)^2$$

factor!

$$v^2 - 18v + 80$$

$$p^2 - p - 56$$

$$b^2 + 8b - 22$$

$$x^2 + 7x - 44$$

$$y^2 - 5y - 84$$

$$32 + 18r + r^2$$

$$48 - 16e + e^2$$

$$s^2 + 17s + 52$$

factor out the GCF!

$$5a^2 - 15$$

$$7x + 49$$

$$2y + 6xy$$

$$8ax - 56a$$

$$36xy^3 - 48x^2y$$

$$75b^2c^3 + 60b^3c^2$$